

**ABSTRACT OF THE DISCLOSURE**

A conveying system includes a conveyor for advancing items thereon; and an image-capturing apparatus for detecting individual items on the conveyor and for generating image signals representing an image of the items. The image-capturing apparatus includes an illuminating unit formed of a matrix composed of a plurality of light-emitting diodes; a picture-capturing unit for receiving light rays emitted by the matrix and modified by an item situated in a path of the light rays and for generating the image signals; and a control unit connected to the matrix and the picture-capturing unit for a pulsed illumination of the matrix.